



PATENT APPLICATION

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

DRESSMAN, Devin *et al.*

Serial No: 10/562,840

Filed: December 29, 2005

For: METHOD AND COMPOSITIONS FOR  
DETECTION AND ENUMERATION OF  
GENETIC VARIATIONS



) Confirmation No. 6445

) Group Art No. 1634

) Examiner: TBA

) Docket No. 001107.00581

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents  
U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Submitted herewith are three (3) sheets of Form PTO-1449. It is respectfully requested that the Examiner make his/her consideration of each of the listed documents formally of record. Copies of the foreign patent references are provided on the enclosed compact disk. No U.S. published applications or patents are enclosed.

It is believed that no fee is required to ensure consideration of the cited references by the Examiner. However, if a fee is deemed necessary, the Commissioner is authorized to charge Deposit Account 19-0733.

Respectfully submitted,

Date: June 19, 2007

Sarah A. Kagan  
Sarah A. Kagan  
Registration No. 32,141

Banner & Witcoff, Ltd.  
Customer No.: 22907



Please type a plus sign (+) in this box

PTO/SB (12-97)  
OMB 0651-0031Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |                        |                       |
|--|------------------------|-----------------------|
| <b>Modified Form 1449/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) | Application Number     | 10/562,840            |
|  | Filing Date            | December 29, 2005     |
|  | First Named Inventor   | Devin Dressman et al. |
|  | Group Art Unit         | 1634                  |
|  | Examiner Name          | TBD                   |
|  | Attorney Docket Number | 001107.00581          |

| U.S. PATENT DOCUMENTS |          |                          |            |                                     |       |           |             |
|-----------------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|-------------|
| Exam Initials         | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date |
|                       |          | 4,801,529 A              | 01/31/89   | Perlman, et al.                     | 435   | 5         | 06/18/85    |
|                       |          | 5,503,851                | 04/02/96   | Hank et al.                         | 424   | 489       | 07/01/93    |
|                       |          | 2001/0020011             | 09/06/01   | Mathiowitz et al.                   | 514   | 44        | 03/23/01    |
|                       |          | 2002/0022038             | 02/2002    | Griffiths et al.                    | 435   | 6         | 06/29/01    |
|                       |          | 2002/0119459             | 08/29/02   | Griffiths                           | 435   | 6         | 06/29/01    |
|                       |          | 2002/0155080             | 10/2002    | Glenn et al.                        | 424   | 70.5      | 03/05/01    |
|                       |          | 2003/0124586             | 07/03/03   | Griffiths et al.                    | 435   | 6         | 10/3/02     |
|                       |          | 2004/0005594             | 01/08/04   | Holliger et al.                     | 435   | 6         | 03/13/03    |
|                       |          | 2004/0253731             | 12/16/04   | Holliger et al.                     | 435   | 458       | 05/13/04    |
|                       |          | 2005/0037392             | 02/17/05   | Griffiths et al.                    | 435   | 6         | 06/11/04    |
|                       |          | 2005/0042648             | 02/24/05   | Griffiths et al.                    | 435   | 6         | 06/04/04    |
|                       |          | 2005/0064460             | 03/24/05   | Holliger et al.                     | 435   | 6         | 06/11/04    |
|                       |          | 2005/0069920             | 03/31/05   | Griffiths et al.                    | 435   | 6         | 06/03/04    |
|                       |          | 2005/0164239             | 07/28/05   | Griffiths et al.                    | 435   | 6         | 10/1/04     |

| FOREIGN PATENT DOCUMENTS |          |                                       |            |                                     |                     |                |  |
|--------------------------|----------|---------------------------------------|------------|-------------------------------------|---------------------|----------------|--|
| Exam Initials            | Cite No. | Foreign Patent Document Office Number |            | Name of Patentee(s) or Applicant(s) | Date of Publication | English Yes No |  |
|                          | ---      | WO                                    | 98/34120   | Universite de Montreal              | August 6, 1998      | X              |  |
|                          |          | WO                                    | 98/37186   | Actinova Ltd.                       | August 27, 1998     | X              |  |
|                          | ---      | WO                                    | 98/41869 A | Chromaxome Corporation              | September 24, 1998  | X              |  |
|                          |          | WO                                    | 00/04139   | Mirus Corporation                   | January 27, 2000    | X              |  |
|                          | ---      | WO                                    | 00/40712   | Medical Research Council            | July 13, 2000       | X              |  |
|                          | ---      | WO                                    | 02/22869   | Medical Research Council            | March 21, 2002      | X              |  |

| FOREIGN PATENT DOCUMENTS |          |                                       |              |                                     |                     |                |  |
|--------------------------|----------|---------------------------------------|--------------|-------------------------------------|---------------------|----------------|--|
| Exam Initials            | Cite No. | Foreign Patent Document Office Number |              | Name of Patentee(s) or Applicant(s) | Date of Publication | English Yes No |  |
|                          |          | WO                                    | 04/069849 A2 | 454 Corporation                     | August 19, 2004     | X              |  |
|                          | ---      | WO                                    | 04/083443 A1 | Caliper Technologies Corp.          | September 30, 2004  | X              |  |

| FOREIGN PATENT DOCUMENTS |          |                                       |           |                                     |                     |                    |  |
|--------------------------|----------|---------------------------------------|-----------|-------------------------------------|---------------------|--------------------|--|
| Exam Initials            | Cite No. | Foreign Patent Document Office Number |           | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation Yes No |  |
|                          |          | EP                                    | 1 522 582 | Medical Research Council            | 2005-04-13          |                    |  |
|                          |          | EP                                    | 1 522 581 | Medical Research Council            | 2005-04-13          |                    |  |

Please type a plus sign (+) in this box +PTO/SB (12-97)  
OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |                        |                       |
|---|------------------------|-----------------------|
| Modified Form 1449/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) | Application Number     | 10/562,840            |
|   | Filing Date            | December 29, 2005     |
|   | First Named Inventor   | Devin Dressman et al. |
|   | Group Art Unit         | 1634                  |
|   | Examiner Name          | TBD                   |
|   | Attorney Docket Number | 001107.00581          |

| U.S. PATENT DOCUMENTS |          |                          |            |                                     |       |           |             |
|-----------------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|-------------|
| Exam Initials         | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date |
|                       |          | 5,989,892                | 11/23/99   | Nishimaki et al.                    | 435   | 252.1     | 06/13/96    |
|                       |          | 6,023,540                | 02/08/00   | Walt et al.                         | 385   | 12        | 03/14/97    |
|                       |          | 6,184,012                | 02/06/01   | Neri et al.                         | 435   | 188       | 04/25/97    |
|                       |          | 6,266,459                | 07/24/01   | Walt et al.                         | 385   | 12        | 11/29/99    |
|                       |          | 6,489,103                | 12/03/02   | Griffiths et al.                    | 435   | 6         | 12/16/99    |

| U.S. PATENT DOCUMENTS |          |                          |            |                                     |       |           |               |
|-----------------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|---------------|
| Exam Initials         | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date   |
|                       |          | 6,258,858                | 07/10/01   | Nakajima et al.                     | 516   | 73        | March 1, 1999 |
|                       |          | 6,310,354                | 10/30/01   | Hänninen et al.                     | 250   | 458.1     | July 13, 1999 |

| U.S. PATENT DOCUMENTS |          |                          |            |                                     |       |           |             |
|-----------------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|-------------|
| Exam Initials         | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date |
|                       |          | 6,303,309                | 10/2001    | Jurinke et al.                      | 435   | 6         |             |
|                       |          | 2004/0053254             | 03/2004    | Wangh et al.                        | 435   | 6         |             |

| FOREIGN PATENT DOCUMENTS |          |                                       |                                     |                     |                    |  |
|--------------------------|----------|---------------------------------------|-------------------------------------|---------------------|--------------------|--|
| Exam Initials            | Cite No. | Foreign Patent Document Office Number | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation Yes No |  |
|                          | B1       | WO 97/40141                           | Medical Research Council            | October 30, 1997    | X                  |  |
|                          | B2       | WO 99/02671                           | Medical Research Council            | January 21, 1999    | X                  |  |
|                          | B3       | WO 00/40712                           | Medical Research Council            | July 13, 2000       | X                  |  |
|                          | B4       | WO 01/18244                           | Medical Research Council            | March 15, 2001      | X                  |  |
|                          | B5       | WO 02/22869                           | Medical Research Council            | March 21, 2002      | X                  |  |
|                          | B6       | WO 02/103363                          | Medical Research Council            | December 27, 2002   | X                  |  |
|                          | B7       | WO 03/044187                          | Medical Research Council            | May 30, 2003        | X                  |  |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) in this box ☐PTO/SB (12-97)  
OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |                        |                       |
|--|------------------------|-----------------------|
| <b>Modified Form 1449/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) | Application Number     | 10/562,840            |
|  | Filing Date            | December 29, 2005     |
|  | First Named Inventor   | Devin Dressman et al. |
|  | Group Art Unit         | 1634                  |
|  | Examiner Name          | TBD                   |
|  | Attorney Docket Number | 001107.00581          |

| FOREIGN PATENT DOCUMENTS |             |  |                                     |                     |                       |  |
|--------------------------|-------------|--|-------------------------------------|---------------------|-----------------------|--|
| Exam<br>Initials         | Cite<br>No. | Foreign Patent Document<br>Office Number | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation<br>Yes No |  |
|                          |             | EP 0 579 347                             | Ferring Arzneimittel GmbH           | 07/19/1994          | X                     |  |
|                          |             | EP 1 482 036 A2                          | Medical Research Council            | 21/01/2004          | X                     |  |
|                          |             | DE 196 46 372 C1                         | Eyotec Biosystems GmbH              | 06/19/1997          | X                     |  |
|                          |             | wo 91/05058                              | Kawasaki                            | 04/18/1991          | X                     |  |
|                          |             | wo 93/03151 A                            | Medical Research Council            | 02/18/1993          | X                     |  |
|                          |             | wo 93/08278 A                            | Affymax Technologies N.V.           | 04/29/1993          | X                     |  |
|                          |             | wo 94/16332                              | Yeda Research and Devel.            | 07/21/1994          | X                     |  |

| FOREIGN PATENT DOCUMENTS |             |  |                                     |                     |                       |  |
|--------------------------|-------------|--|-------------------------------------|---------------------|-----------------------|--|
| Exam<br>Initials         | Cite<br>No. | Foreign Patent Document<br>Office Number | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation<br>Yes No |  |
|                          |             | wo 94/23738 A                            | Medisorb Technologies               | 10/27/1994          | X                     |  |
|                          |             | wo 94/24314                              | Kauffman                            | 10/27/1994          | X                     |  |
|                          |             | wo 94/26766                              | Washington University               | 11/24/1994          | X                     |  |
|                          |             | wo 95/11922                              | Affymax Technologies N.V.           | 05/04/1995          | X                     |  |
|                          |             | wo 95/24929 A                            | Brown University                    | 09/21/1995          | X                     |  |
|                          |             | wo 96/34112 A                            | Chromaxome Corp.                    | 10/31/1996          | X                     |  |
|                          |             | wo 96/40723                              | The General Hospital Corp.          |                     | X                     |  |

| FOREIGN PATENT DOCUMENTS |             |  |                                     |                     |                       |  |
|--------------------------|-------------|--|-------------------------------------|---------------------|-----------------------|--|
| Exam<br>Initials         | Cite<br>No. | Foreign Patent Document<br>Office Number | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation<br>Yes No |  |
|                          |             | wo 97/47763                              | CuraGen Corporation                 | 12/19/1996          | X                     |  |
|                          |             | wo 98/13502                              | Icos Corporation                    | 12/18/1997          | X                     |  |
|                          |             | wo 98/23733                              | University of Washington            | 04/02/1998          | X                     |  |
|                          |             | wo 98/31700 A                            | The General Hospital Corp.          | 06/04/1998          | X                     |  |
|                          |             |  |                                     | 07/23/1998          | X                     |  |
|                          |             |  |                                     |                     | X                     |  |
|                          |             |  |                                     |                     | X                     |  |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.